

Title (en)
DIRECTION-INDICATION DEVICE

Title (de)
RICHTUNGSANZEIGENDE VORRICHTUNG

Title (fr)
DISPOSITIF D'INDICATION DE DIRECTION

Publication
EP 2881284 B1 20180228 (EN)

Application
EP 12866993 A 20120806

Priority
JP 2012069993 W 20120806

Abstract (en)
[origin: US2014232283A1] To provide a direction indicating apparatus that is less susceptible to a change of a power supply voltage and can reduce the difference in brightness of a direction indicating lamp using an LED element between a direction indicating operation and a hazard operation. A direction indicating apparatus includes a pulse signal generating part, a first switching element, a variable resistor circuit, a direction indicating switch, a hazard switch, first and second direction indicating lamps, a voltage detecting part and a lighting status detecting part.

IPC 8 full level
B60Q 1/38 (2006.01); **B60Q 1/46** (2006.01); **B60Q 1/52** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)
B60Q 1/38 (2013.01 - EP US); **B60Q 1/46** (2013.01 - EP US)

Cited by
CN110435532A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2014232283 A1 20140821; **US 8963706 B2 20150224**; EP 2881284 A1 20150610; EP 2881284 A4 20160720; EP 2881284 B1 20180228; JP 5502238 B1 20140528; JP WO2014024246 A1 20160721; WO 2014024246 A1 20140213

DOCDB simple family (application)
US 201214003216 A 20120806; EP 12866993 A 20120806; JP 2012069993 W 20120806; JP 2013520920 A 20120806